



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

10/705,197

Source:

FFW

Date Processed by STIC:

11/18/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT

MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ehc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



II

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/705,197

DATE: 11/18/2003

TIME: 15:35:37

Input Set : A:\pto.ln.txt
 Output Set: N:\CRF4\11182003\J705197.raw

3 <110> APPLICANT: Babiychuk, Elena
 4 Kushnir, Sergei
 5 De Block, Marc
 6 Inze, Dirk
 8 <120> TITLE OF INVENTION: Methods and means to modulate programmed cell death in
 9 eukaryotic cells
 11 <130> FILE REFERENCE: PCDMOD
 > 13 <140> CURRENT APPLICATION NUMBER: US/10/705,197
 > 14 <141> CURRENT FILING DATE: 2003-11-12
 16 <160> NUMBER OF SEQ ID NOS: 21
 18 <170> SOFTWARE: PatentIn Ver. 2.0

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**Does Not Comply
 Corrected Diskette Needed**

ORED SEQUENCES

1920 <210> SEQ ID NO: 21
 1921 <211> LENGTH: 4947
 1922 <212> TYPE: DNA
 1923 <213> ORGANISM: Artificial Sequence
 1925 <220> FEATURE:
 1926 <223> OTHER INFORMATION: Description of Artificial Sequence: APP promoter
 1927 fusion with beta-glucuronidase gene
 1929 <220> FEATURE:
 1930 <221> NAME/KEY: promoter
 1931 <222> LOCATION: (1)..(1961)
 1933 <220> FEATURE:
 1934 <221> NAME/KEY: misc_signal
 1935 <222> LOCATION: (1962)..(1964)
 1936 <223> OTHER INFORMATION: translation initiation codon
 1938 <400> SEQUENCE: 21
 1939 ctcgagatag tatatttttt agttaactatc attacataag tatattttaa aaaactaatt 60
 1941 atatgaatta ttagtactaac tagatagata atcgtataac caattcatgt tagtatagt 120
 1943 tagtttaagt atgtattttg ggattacaag tgggttggc atcaagacaa ggatggtgat 180
 1945 agcctttctc tgtaatttgg tttaagaaaa gttttgcattttatgtata aacgtgtttt 240
 1947 ttttttataa ttcaaaatttt caacaaaaaa caattttttt taataatgtat tgaccactat 300
 1949 agacaattta aatgataaaaa aaaaggggaa atttttcaca aatggggaa gattgtctaa 360
 1951 gattttttgt ccaaattttc cgattgtaaat aatggggaa aatggggaa gattgtctaa 420
 1953 cttaatgatt tgtaactaca atatctttta aatttaaaaat tggtaaccaa aatatccat 480
 1955 atattgtact tgtaatagaa atataaacta taaaaacaa cacttttattc atataatata 540
 1957 agttaaaaaca tatgtttttt ttagttagt ctaatcacac ctatggggaa aatggggaa 600
 1959 taaatgagcc aaaaagaaaa ataaagatag gggatggggaa caggctgtaa tggtaggcgg 660
 1961 ttggtatatg aactgagaac atgtctgttg gttcggtcca tctacgcccac tcaaccattt 720
 1963 ggctatgttt tcttttggc ttttgcattt tctctctact tttttttttt ggtcaaaatc 780

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1965 tctatctcg ttttacatg gcttaccgaa atgttagtt tcataatgtt ttggatgtt 840
 1967 aaagatattt tatataaact ttatcgata ttaatatcg tatacatctaa ccattttta 900
 1969 aaactaaact agaaccatcc agttttacaa gagttttttt tttttttttc taactaaata 960
 1971 atatttgaag tgtacaatai taacaatata tggccaaat aatagtggaa accaaatcg 1020
 1973 tagtcccact ttatgatggg cctgttattt ttatgtctt ctcgttaatgt tgtgattatg 1080
 1975 cagattacgg gctaaataaac atgcattttt agttttact gtcctaaatgtt cggaaatittt 1140
 1977 tcttttgggt tggccatccat tttccatataat tccaaatgcc aaatccagcc cggctcgaca 1200
 1979 cagactgct cggctcaaca ctcgtatgcg gttggtagcc acttaagacc ttggtttgc 1260
 1981 taacatgtt cgaataattt gtgtcccttt ttcttcaagg agactaatctt ctttaataaa 1320
 1983 aaaagaattt tgcatttttcaacacaaatgtt cctataatcc gtttacgtt gtttatgc 1380
 1985 cgtcccttggaa aaagtggatgtt gttggctacg ttacagccaa aaactatttttgc 1440
 1987 ttgtttaaac aaccagccaa attttcagaa aaatgttctt aaattataaa ttgttgc 1500
 1989 attttaaaac atagagattt ttgtttctt ttaatagaag agttaaacccatgtacaaaa 1560
 1991 ttcaactcc ttttcaaaatgtt atttgcctgt tactagattt ttaacccctttt tttttttatc 1620
 1993 ttcatgatt ttcttattgtc tgccatcatc aatggtagga aataaaatactt attttaaaaaa 1680
 1995 ggtcagggtt ggatttaaga atcaatccaa aagttgggg tcttttggag attaaaaatgt 1740
 1997 tataatggaa atatccacaa atatgaacga gaactttgtt caaaaaaaattt taaaataatt 1800
 1999 ttcaaaaag ccctaaagct ttcaaggggaa gccatcgatc aagaagaaaa cgaagaagaa 1860
 2001 gactcttcaa acgttcgcgc gaactcactt ctgacgaaaa ccatacttc tcagtcctcat 1920
 2003 tcccttccg acgaactattt ctccgttgaaga agaagacgaa aatggcgaac aagctcaaag 1980
 2005 tcgcacatggt ccgtccctgtt gaaaccccaa cccgtgaaat caaaaaactc gacggccigt 2040
 2007 gggatttcag tctggatcgc gaaaactgtg gaattgatca gcgttgggtt gaaagcgcgt 2100
 2009 tacaagaaatg ccgggcaattt gctgtgccag gcagttttaa cgatcgttcc gccgatgcag 2160
 2011 atattcgtaa ttatgcgggc aacgtctgtt atcagcgcga agtctttata ccgaaaggtt 2220
 2013 gggcaggcca gcttatcg tgcgtttcg atgcggtcac tcattacggc aaagtgtggg 2280
 2015 tcaataatca ggaagtgtatg gacatcagg gcccgtatac gccatttga gccgatgtca 2340
 2017 cgccgtatgtt tattggccggg aaaagtgtac gtatcaccgt ttgtgtgaac aacgaactga 2400
 2019 actggcagac tatccggccg ggaatggta ttaccgacga aaacggcaag aaaaagcagt 2460
 2021 cttacttcca tgatttctt aactatgcgcg gaatccatcg cagcgttaatgtt ctctacacca 2520
 2023 cggccaaacac ctgggtggac gatatcaccg tggtgacgc tgcgtcgaa gactgttaacc 2580
 2025 acgcgtctgt tgactggcag gtgggtggca atgggtatgtt cagcgttgcgatc 2640
 2027 cggatcaaca ggtgggttgcgactggacaag gcactaagg gactttgcgaa gtggtaatc 2700
 2029 cgcacctctg gcaaccgggtt gaaagggttacgc tctatgaact gtgcgtcaca gccaaaagcc 2760
 2031 agacagagtg tgatatctac ccgttgcgcg tcggcatccg gtcagtgccg gtgaaggccg 2820
 2033 aacagttctt gattaaccac aaaccgttctt actttactgg ctgtgttgcgtt catgaagatg 2880
 2035 cggacttacg tggcaaaaggat ttcgatgttgcg tgctgtatgtt gcaacgaccac gcatatgtt 2940
 2037 actggattgg ggcacactcc taccgttacct cgcatttaccc ttacgttgcgaa gagatgtcg 3000
 2039 actggggcaga tgaacatggc atcggttgcgaa ttgtatgttgcgaa tgctgtgttgcgtt 3060
 2041 tctctttagg cattggtttgc gaaacggccg acaagccaa agaactgtac agcgaagagg 3120
 2043 cagtcaacgg gggaaactcgat caagcgcact tacaggcgat taaagagatgtt atgcgcgt 3180
 2045 acaaaaaacca cccaaacgtt gttgttgcgaa gtattggccaa cgaaccggat acccgccgc 3240
 2047 aagtgcacgg gaaatattcg ccactggccg aagcaacgcg taaactcgac ccgacgcgtc 3300
 2049 cgatcacctg cgtcaatgtt atgttgcgtc acgctcacac cgataccatc agcgatctt 3360
 2051 ttgtatgttgcgt gtgcgttgcgaa cgttattacgc gatggatgtt ccaaaacggcc gatggaaat 3420
 2053 cggcagagaa ggttactggaa aaagaacttc tggcgttgcgaa ggagaaactgtt catcagccga 3480
 2055 ttatcatcac cgaataccgc gtggatacgt tagccggctt gcaactcaatgtt tacaccgaca 3540
 2057 tgtggagtga agatgtatcg tggatgttgcgtt gggatgttgcgtt tttgtatgttgcgt 3600
 2059 tcagcgcgtt cgtcggttgcgaa caggtatgttgcgaa atttcggccgaa ttttgcgacc tcgcaaggca 3660
 2061 tattgcgcgtt tggcggttgcgaa aagaaaggaa ttttcactcg cgaccgcggaa ccgaagtcgg 3720

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2063 cggcgtttct gctgaaaaa cgctggactg gcatgaactt cggtaaaaaa ccgcagcagg 3780
 > 2065 **gaggcaaaca atg**aaaaaaa**gaattggtcc tgcttaatg agatatgcga gacgcctatg** 3840
 2067 atcgcatgat atttgtttc aattctgttg tgcacgttgc aaaaaacctg agcatgtgta 3900
 2069 gctcagatcc ttaccgcccgg ttccggttca ttctaatgaa tatatcaccc gttactatcg 3960
 2071 tattttatg aataatattc tccgttcaat ttactgattt taccctacta cttatatgt 4020
 2073 caatattaaa atgaaaacaa tatattgtgc tgaataggtt tatagcgaca tctatgatag 4080
 2075 aycgccacaa taacaaacaa ttgcgtttta ttattacaaa tccaattttt aaaaaagcgg 4140
 2077 cagaaccggt caaacctaaa agactgatta cataaaatctt attcaaattt caaaaggccc 4200
 2079 caggggctag tatctacgac acacccgacg gcgaactaat aacgttcaact gaagggact 4260
 2081 ccggttccccc gccggcgccgc atgggtgaga ttcccttgaag tttagtattt gccgtccgct 4320
 2083 ctaccgaaag ttacgggcac cattcaaccc ggtccagcac ggcggccggg taaccgactt 4380
 2085 gctgccccga gaattatgca gcattttttt ggtgtatgtg gggcccaaattt gaagtgcagg 4440
 2087 tcaaaccctig acagtgcacg caaatcggtt ggcgggttca gggcgaattt tgcgacaaca 4500
 2089 tgtcgaggct cagcaggact ctagaggatc cccgggttacc gagctcgaat tcactggccg 4560
 2091 tcgttttaca acgtcgtgac tggaaaaacc ctggcggttac ccaacttaat cgccttgcag 4620
 2093 cacatcccc tttcgccagc tggcgtaata gcgaagaggc cccgaccgat cgccttccc 4680
 2095 aacagttgcg cagcctgaat ggcgaatggc gcgtgatgcg gtatttctc cttacgcate 4740
 2097 tgtcggtat ttccacaccgc atatggtgc ctctcagttac aatctgtct gaigccgcat 4800
 2099 agttaaagcca gccccgacac ccggcaacac ccgtgacgc gccctgacgg gcttgtctgc 4860
 2101 tcccgccatc cgcttacaga caagctgtga ccgtctccgg gagctgcattt tgtcagaggt 4920
 2103 tttcaccgtc atcaccgaaa cgcgca 4947

> 2109 1 O - delete

- See pg 4
 for error & explanation

VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/10/705,197

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of n's or Xaa's (NEW RULES):

of n's and/or Xaa's have been detected in the Sequence Listing.
of <220> to <223> is MANDATORY if n's or Xaa's are present.
<220> to <223> section, please explain location of n or Xaa, and which
idue n or Xaa represents.

#:7; Xaa Pos. 3,4,5,6,8,10,11,12,13,14
#:8; Xaa Pos. 1,3,5,6,7,9,10,12,13,17,18,19,23,24,27,30,31
#:9; Xaa Pos. 3,4,5,8,9,10,12,13,16,17,18,19,21,25,26,29,30
#:13; N Pos. 11,23
#:14; N Pos. 11
#:21; N Pos. 3795,3796,3797,3798,3799,3800

These sequences contain
Ns on Xaa's which
Need explaining'

VERIFICATION SUMMARY
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Input Set : A:\pto.ln.txt
Output Set: N:\CRF4\11182003\J705197.raw

3 M:270 C: Current Application Number differs, Replaced Application Number
4 M:271 C: Current Filing Date differs, Replaced Current Filing Date
78 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
112 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:7
112 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:7
112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
126 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:8
126 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:8
126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
41 Repeated in SeqNo=8
146 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:9
146 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:9
146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
41 Repeated in SeqNo=9
826 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:13
826 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:13
826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
839 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:14
839 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:14
839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
065 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:3780
109 M:254 E: No. of Bases conflict, this line has no nucleotides..